

Claims

1. A windmill, comprising:

wind intake means having wind guide plates which are radially located to guide wind in a predetermined direction, an upper plate which is installed on upper ends of the wind guide plates to prevent dispersion of the wind, a wind inlet
5 which is defined between inner ends of two adjoining wind guide plates, and a wind inlet opening and closing device which is placed at the wind inlet so that the wind inlet opening and closing device is opened by the wind flowing through the wind inlet into the windmill and closed by the wind flowing through the wind
10 inlet out of the windmill;

power generating means disposed in a power generating tunnel which is defined at a lower end of the wind intake means, to rotate rotors by the wind introduced into the windmill through the wind intake means and thereby generate electricity; and

wind exhaust means having a wind outlet which is defined below the wind inlet so that the wind used for generating electricity can be discharged to the outside through the wind outlet, and a wind outlet opening and closing device which is placed at the wind outlet so that the wind outlet opening and closing device is opened by the wind flowing through the wind outlet out of the windmill
15 and closed by the wind flowing through the wind outlet into the windmill.
20

2. The windmill as set forth in claim 1, wherein each of the wind inlet and the wind outlet comprises a plurality of cells which are defined by plaiting a plurality of wires in the form of a lattice.

3. The windmill as set forth in claim 1, wherein each of the wind inlet opening and closing device and the wind outlet opening and closing device
25 comprises a plurality of scale-shaped pieces which are pivotally installed in the cells, respectively.